[Total = 13 marks]

6. Answer the whole question on a graph paper.

(i) The table shows the number of pets owned by a group of children in a lane.

Number of pets	1	2	3	4
Frequency	10	12	5	3

(a) What is the range?

(b) What is the mode?

(2 marks)

(ii) The table shows the daily pay of some people in a working site.

Pay (£P)	$0 \leq P < 20$	$20 \leq P < 40$	$40 \leq P < 60$	$60 \leq P < 80$	$80 \leq P < 100$
Frequency	3	10	12	8	2

(a) Draw a histogram. Name the two axes.

(7 marks)

(b) Draw a frequency polygon on the same set of above axes.

(4 marks)

[Total = 13 marks]

Statistics - Range, Mode, Histogram & Frequency Polygon

Part 1: Number of Pets owned by Children

Number of pets	1	2	3	4
Frequency	10	12	5	3

(a) What is the range?

Range = Highest value - Lowest value

Range = 4 - 1 = 3

Range = 3

(b) What is the mode?

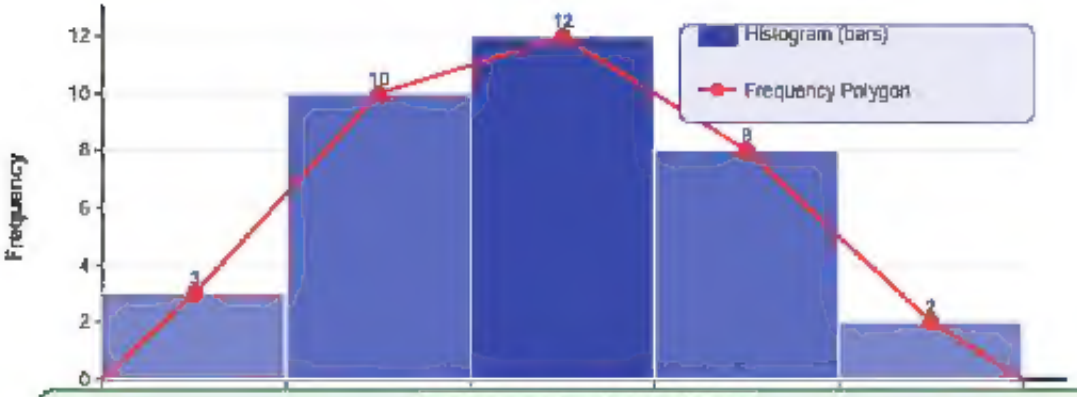
Mode = the value with the HIGHEST frequency.

Highest frequency = 12, which corresponds to 2 pets.

Mode = 2 pets

Part 2: Daily Pay of Workers - Histogram & Frequency Polygon

Pay (£P)	0≤P<20	20≤P<40	40≤P<60	60≤P<80	80≤P<100
Frequency	3	10	12	8	2



SUMMARY OF ANSWERS

Part 1 (a): Range = 3

Part 1 (b): Mode = 2 pets (highest frequency = 12)

Part 2: Histogram and Frequency Polygon drawn above.